Tinder Clone Full Stack

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This my Tinder Clone MERN STACK app built with React JS!

I used <https://cloud.mongodb.com/> for my database.

I get some css and js structures from Ania Kubov and Jakob Unnebäck.

**Features:**

Message Functionality: Engage in conversations with your matches and make connections.

Swipe Functionality to swipe left or right to like or dislike users, just like the real Tinder app!

**Project Structure:**

The project structure is simple and focused on frontend implementation. Here's a quick overview of the main files and folders:

client/: Contains all the React components and styles for client side.

Server/: Contains all the backend side.

**Technology Used:**

Create-React-App

MongoDB

React.js

Node.js

Nodemon

Mongoose

Express

Dotenv

Jsonwebtoken

Bcrypt

Cors

uuid

Javascript

HTML

CSS

GitHub

**Explanation of Dependencies:**

1. Created the project using *npx create-react-app tinder-clone.*
2. Installed *react-router-dom@6* and *react-tinder-card package* for the client side.
3. Created the backend using *npm init* in the server named folder. It will run on port 8000.
4. Installed *nodemon* package by npm i nodemon.
5. Added *express* package to help me to do routing, *mongodb, dotenv* to store our variables secretely, *bcrypt* to hash passwords, *cors* to help to communicate with backend, *uuid* to generate unique identifier, *jsonwebtoken* to do a synchronous sign-in when log-in is done as an existing user, *react-cookie* to manage (set, remove) cookies.
6. Methods like .insertOne, .db, .find, .connect, .collection and etc come with mongodb package.

**About the Project:**

In the home page <http://localhost:3000/> you can do SIGN IN or SIGN UP buttons. It is better to create at least 4 accounts (2 men, 2 women).

By clicking on SIGN UP and inserting the email and password, it directs you to the onboarding page <http://localhost:3000/onboarding> , in which you can go through in completing your profile info.

In the <http://localhost:3000/onboarding> you can see the users who signed up in the application and your name at the top of Chat section. After swiping the card to the right side, you have to reload the page to make the matches’ list shown up. However, by swiping the card to the left side, the card will be removed.

Then, by clicking on a matched individual, it will show up the chat section. Now, you can start chatting.

After clicking on SIGN OUT, you have to reload <http://localhost:3000/> to start over.

I don’t use secret key. Because it’s not really secure to sign up to get a secret key. So I pass through the values that I want to use to generate token and the amount of time that I want the token to expire in.

**Future Development:**

The app will be further developed to become a fully functional app. This is yet to be determined when it will be developed.

**How to Run the App:**

Clone the repository to your local machine using git clone <https://github.com/3p10/tinder-clone> .

Navigate to the project directory with cd command.

Install the required dependencies using *npm install*.

Open two terminals for front and back. Run the app by *npm run start* in both sides.

Open your browser and visit http://localhost:3000 to view the app.